

### III. CLAIM AMENDMENTS

1. (Currently Amended) A method of loading at least one file  $\{F_i\}$  or a part ("clip")  $\{C_i\}$  thereof from a unit  $\{FU\}$  comprising files  $\{F_i\}$  or clips  $\{C_i\}$  thereof over an interface  $\{IF\}$  to a data-processing unit  $\{DU\}$ , the method comprising:

determining joint probabilities  $\{JP_i\}$  of at least two files  $\{F_i\}$  or clips  $\{C_i\}$  thereof, which joint probabilities express probabilities with which one moves to said files  $\{F_i\}$  or clips  $\{C_i\}$  thereof;

~~characterized by~~

determining energy consumptions  $\{W_i\}$  caused by the loading of said at least two files  $\{F_i\}$  or clips  $\{C_i\}$  thereof over the interface  $\{IF\}$ ;

forming a loading order for said files  $\{F_i\}$  or clips  $\{C_i\}$  thereof as a function of said joint probabilities  $\{JP_i\}$ ;

determining a value for maximum energy consumption  $\{EC_{max}\}$ , the value expressing the greatest allowed energy consumption caused by said loading; and

loading files  $\{F_i\}$  or clips  $\{C_i\}$  thereof in said loading order and determining total energy consumption  $\{\Sigma W_i\}$  caused by the loading until the value of said total energy consumption  $\{\Sigma W_i\}$  exceeds the value of the maximum energy consumption  $\{EC_{max}\}$ .

2. (Currently Amended) A method according to claim 1,

~~characterized by~~ the method further comprising:

determining loading probabilities— $\{LP_i\}$  of said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof as a function of said joint probabilities  $\{JP_i\}$ .

3. (Currently Amended) A method according to claim 2,

~~characterized by~~ the method further comprising:

determining loading probability functions— $\{fLP_i\}$  of said files  $\{F_i\}$ —or clips thereof as a function of the loading probabilities— $\{LP_i\}$ .

4. (Currently Amended) A method according to claim 2,

~~characterized by~~ the method further comprising:

determining loading probability functions— $\{fLP_i\}$  of said files  $\{F_i\}$ —or clips— $\{C_i\}$  thereof as a function of the loading probabilities— $\{LP_i\}$  and the energy consumptions— $\{W_i\}$  caused by the loading.

5. (Currently Amended) A method according to ~~any one of the preceding claims~~ claim 1,

~~characterized by~~ the method comprising:

redetermining the value of said energy consumptions— $(W_+)$ ,  
maximum energy consumption— $(EC_{MAX})$  and joint probabilities  
 $(JP_+)$ —periodically.

6. (Currently Amended) A method according to ~~any one of the~~  
~~preceding claims~~claim 1,

~~characterized by~~the method comprising:

redetermining the values of said maximum energy consumption  
 ~~$(EC_{MAX})$~~ —according to the interface— $(IF)$ —in question.

7. (Currently Amended) A method according to claim 35 ~~or 6~~,

~~characterized by~~the method comprising:

updating the values of said loading probabilities— $(LP_+)$ —and  
loading probability functions— $(fLP_+)$ —as a response to said  
determination.

8. (Currently Amended) A method according to ~~any one of the~~  
~~preceding claims~~claim 1,

~~characterized by~~the method comprising:

loading at least one file— $(F_+)$ —or a clip— $(C_+)$ —thereof over said  
interface— $(IF)$ —alternatively from a server— $(S)$ —to a  
terminal— $(T)$ —or from a first memory component— $(100)$ —to a  
second memory component— $(102)$ .

9. (Currently Amended) A method according to ~~any one of the preceding claims~~claim 1,

~~characterized by~~the method comprising:

loading at least one file ~~(F<sub>i</sub>)~~ or a clip ~~(C<sub>i</sub>)~~ thereof over said interface ~~(IF)~~ alternatively from a first terminal ~~(T<sub>i</sub>)~~ to a second terminal ~~(T<sub>j</sub>)~~ over a local network interface ~~(LIF)~~.

10. (Currently Amended) A method according to ~~any one of the preceding claims~~claim 1,

~~characterized by~~the method comprising:

loading at least one file ~~(F<sub>i</sub>)~~ or a clip ~~(C<sub>i</sub>)~~ thereof from a mass memory component ~~(830)~~ to another memory component ~~(836)~~ over an internal interface.

11. (Currently Amended) A method of loading at least one file ~~(F<sub>i</sub>)~~ or a clip ~~(C<sub>i</sub>)~~ thereof from a unit ~~(FU)~~ comprising files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof over an interface ~~(IF)~~ to a data-processing unit ~~(DU)~~, the method comprising:

determining joint probabilities ~~(JP<sub>i</sub>)~~ of at least two files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof, which joint probabilities express probabilities with which one moves to said files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof;r

~~characterized by~~

forming a loading order for said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof as a function of said joint probabilities— $\{JP_i\}$ ;

determining a threshold value— $\{TH\}$ , which expresses a value, which the value determined as a function of the joint probability of the file— $\{F_i\}$  or a clip— $\{C_i\}$  thereof must at least reach in order for the file— $\{F_i\}$  or a clip— $\{C_i\}$  thereof to be loaded; and

loading files— $\{F_i\}$  or clips— $\{C_i\}$  thereof in said loading order and comparing the values determined as functions of the joint probabilities of the files— $\{F_i\}$  or clips— $\{C_i\}$  thereof with the threshold value— $\{TH\}$  until the value determined as the function of the joint probability— $\{JP_i\}$  of the file— $\{F_i\}$  or a clip— $\{C_i\}$  thereof is smaller than the threshold value  $\{TH\}$ .

12. (Currently Amended) A system for loading at least one file  $\{F_i\}$  or a clip— $\{C_i\}$  thereof from a unit— $\{FU\}$  comprising files  $\{F_i\}$  or clips— $\{C_i\}$  thereof over an interface— $\{IF\}$  to a data-processing unit— $\{DU\}$ , wherein the system comprises~~comprising:~~

means for determining joint probabilities— $\{JP_i\}$  of at least two files— $\{F_i\}$  or clips— $\{C_i\}$  thereof, which joint probabilities express probabilities with which one moves to said files— $\{F_i\}$  or clips thereof  $\{C_i\}$ ; i

~~characterized in that the system comprises~~

means for determining the energy consumption  $\langle W_{\pm} \rangle$  caused by the loading of said at least two files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof;

means for determining the loading order of said files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof as a function of said joint probabilities  $\langle JP_{\pm} \rangle$ ;

means for determining the value of maximum energy consumption  $\langle EC_{MAX} \rangle$ , which expresses the greatest allowed energy consumption caused by said loading; and

means for loading files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof and determining the total energy consumption  $\langle \Sigma W_{\pm} \rangle$  caused by the loading of the files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof, the means being arranged to load files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof until the value of the total energy consumption  $\langle \Sigma W_{\pm} \rangle$  exceeds the value of the maximum energy consumption  $\langle EC_{MAX} \rangle$ .

13. (Currently Amended) A system according to claim 12, wherein

~~characterized in that~~

at least part of said means is executed as a program code of a driver  $\langle DR \rangle$  comprised by the system.

14. (Currently Amended) A device for loading at least one file  $\langle F_{\pm} \rangle$  or a clip  $\langle C_{\pm} \rangle$  thereof from a unit  $\langle FU \rangle$  comprising files  $\langle F_{\pm} \rangle$  or clips  $\langle C_{\pm} \rangle$  thereof over an interface  $\langle IF \rangle$ , wherein the device comprisesing:

means for determining joint probabilities— $\{JP_i\}$  of at least two files— $\{F_i\}$  or clips— $\{C_i\}$  thereof, which joint probabilities express probabilities with which one moves to said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof;7

~~characterized in that the device comprises~~

means for determining the energy consumptions— $\{W_i\}$  caused by the loading of said at least two files— $\{F_i\}$  or clips— $\{C_i\}$  thereof;

means for determining the loading order of said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof as a function of said joint probabilities  $\{JP_i\}$ ;

means for determining the value of maximum energy consumption  $\{EC_{max}\}$ , which expresses the greatest allowed energy consumption caused by said loading; and

means for requesting files— $\{F_i\}$  or clips— $\{C_i\}$  thereof and determining the total energy consumption— $\{\Sigma W_i\}$  caused by the loading, the means being ~~arranged~~ configured to load files  $\{F_i\}$  or clips— $\{C_i\}$  thereof until the value of said total energy consumption— $\{\Sigma W_i\}$  exceeds the value of the maximum energy consumption— $\{EC_{max}\}$ .

15. (Currently Amended) A device for forming the loading order of at least two files— $\{F_i\}$  or clips— $\{C_i\}$  thereof for loading functionality performed over an interface— $\{IF\}$ , wherein

~~characterized in that the device comprises:~~

means for determining the energy consumption— $\{W_i\}$  caused by the loading of said at least two files— $\{F_i\}$  or clips— $\{C_i\}$  thereof, and

means for determining the loading order of said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof as a function of said joint probabilities  $\{JP_i\}$ .

16. (Currently Amended) A device for controlling the loading of at least two files  $\{F_i\}$ —or clips— $\{C_i\}$  thereof performed over an interface— $\{IF\}$ , wherein

~~characterized in that~~ the device comprises:

means for determining the value of maximum energy consumption  $\{EC_{MAX}\}$ , which expresses the greatest allowed energy consumption caused by said loading, and for determining the total energy consumptions— $\{\Sigma W_i\}$  caused by the loading of said files— $\{F_i\}$  or clips— $\{C_i\}$  thereof until the value of said total energy consumption— $\{\Sigma W_i\}$  exceeds the value of the maximum energy consumption— $\{EC_{MAX}\}$ .

17. (Currently Amended) A device according to ~~any of claims 14~~  
~~—16~~claim 14,

~~characterized in that~~ the device further comprises:

proxy functionality, which is configured~~arranged~~ to transmit at least one file  $\{F_i\}$ —or a clip  $\{C_i\}$ —thereof to another



data-processing unit ~~(DU)~~ as a response to a request from the data-processing unit ~~(DU)~~.

18. (Currently Amended) A software product for loading at least one file ~~(F<sub>i</sub>)~~ or a clip ~~(C<sub>i</sub>)~~ thereof from a unit ~~(FU)~~ comprising files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof over an interface ~~(IF)~~ to a data-processing unit ~~(DU)~~, wherein the software product comprisesing:

a software code for determining joint probabilities ~~(JP<sub>i</sub>)~~ of at least two files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof, with which probabilities one moves to said files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof,

~~characterized in that said software product comprises:~~

a software code for determining the energy consumptions ~~(W<sub>i</sub>)~~ caused by said at least two files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof,

a software code for forming the loading order of said files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof as a function of said joint probabilities ~~(JP<sub>i</sub>)~~;

a software code for determining the value of the maximum energy consumption ~~(EC<sub>max</sub>)~~, which expresses the greatest allowed energy consumption caused by said loading; and

a software code for loading files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof and determining the total energy consumption ~~(ΣW<sub>i</sub>)~~ caused by the loading of said files ~~(F<sub>i</sub>)~~ or clips ~~(C<sub>i</sub>)~~ thereof until

the value of said total energy consumption— $(\Sigma W_+)$  exceeds the value of the maximum energy consumption— $(EC_{MAX})$ .

19. (Currently Amended) A software product for forming the loading order of at least two files— $(F_+)$  or clips— $(C_+)$  thereof for loading functionality to be performed over an interface  $(IF)$ , wherein

~~characterized in that~~ said software product comprises:

a software code for determining the energy consumptions— $(W_+)$  of said at least two files— $(F_+)$  or clips— $(C_+)$  thereof; and

a software code for forming the loading order of said files  $(F_+)$  or clips  $(C_+)$  thereof as a function of said joint probabilities— $(JP_+)$ .

20. (Currently Amended) A software product for controlling the loading of at least two files— $(F_+)$  or clips— $(C_+)$  thereof to be performed over an interface— $(IF)$ , wherein

~~characterized in that~~ the software product comprises:

a software code for determining the value of the maximum energy consumption— $(EC_{MAX})$ , which expresses the greatest allowed energy consumption caused by said loading; and

a software code for loading files— $(F_+)$  or clips— $(C_+)$  thereof and determining the total energy consumption— $(\Sigma W_+)$  caused by the loading of said files— $(F_+)$  or clips— $(C_+)$  thereof until

the value of said total energy consumption—( $\Sigma W_i$ ) exceeds the  
value of the maximum energy consumption—( $EC_{max}$ ).

21. (New) A method according to claim 4, the method comprising:

updating the values of said loading probabilities and loading  
probability functions as a response to said determination.